



SPYWOLF

Security Audit Report



Completed on
November 9, 2023

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OVERVIEW

This audit has been prepared for **Grok Pepe** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

”

- SPYWOLF Team -





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Grok Pepe



PROJECT DESCRIPTION

According to their website:

“As of recent developments, xAI, Elon Musk’s AI startup, has been working on its own version of ChatGPT called Grok. This conversational AI model, equipped with internet browsing capabilities, can answer questions and engage in discussions, similar to ChatGPT and other text-generating models like Meta’s Llama 2. Grok leverages a knowledge base to provide responses and can search the internet for up-to-date information on various topics.”

Release Date: Presale starts in November, 2023

Category: Meme token

01



CONTRACT INFO

Token Name

Grok Pepe

Symbol

Grokpepe

Contract Address

0x1EfdeE6d532c4754632462c45614C7585EafA18C

Network

Binance Smart Chain

Language

Solidity

Deployment Date

Nov 09, 2023

Contract Type

Token with fees

Total Supply

1,000,000,000,000

Status

Not launched

TAXES

Buy Tax

2%

Sell Tax

2%

*Taxes can be changed in future



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	1000000000000 Grokpepe
Median Transfer Amount	1000000000000 Grokpepe
Average Transfer Amount	1000000000000 Grokpepe
First transfer date	2023-11-09
Last transfer date	2023-11-09
Days token transferred	1

SMART CONTRACT STATS

Calls Count	2
External calls	2
Internal calls	0
Transactions count	2
Uniq Callers	1
Days contract called	1
Last transaction time	2023-11-09 09:04:10 UTC
Created	2023-11-09 07:20:01 UTC
Create TX	0x7fd44154ee2f680a160675be43436efc1230a70403bbd9ea0a95843ff1388192
Creator	0x88bc4451453aa94d5bbe3c881410ac206509b784



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

High Risk

No high risk-level threats found in this contract.

Medium Risk

No medium risk-level threats found in this contract.

Low Risk

No low risk-level threats found in this contract.



Informational

Owner can only enable trading.

Trading is currently enabled.

```
function enableTrading() public onlyOwner {  
    tradingOpen = true;  
}
```

Owner can exclude address from fees.

When address is excluded from fees, the user will receive the whole amount of the bought, sold and/or transferred tokens.

```
function excludeMultipleAccountsFromFees(  
    address[] calldata accounts, bool excluded) public onlyOwner {  
    for(uint256 i = 0; i < accounts.length; i++) {  
        _isExcludedFromFee[accounts[i]] = excluded;  
    }  
}
```

Owner can withdraw any tokens from the contract except BNB.

When this function is present, in cases tokens sent into the contract by mistake or purposefully, contract's owner can retrieve them.

```
function rescueForeignTokens(  
    address _tokenAddr, address _to, uint _amount) public onlyDev() {  
    emit tokensRescued(_tokenAddr, _to, _amount);  
    Token(_tokenAddr).transfer(_to, _amount);  
}
```



Informational

Owner can set buy/sell fees up to 8%.

Combined buy+sell = 16%.

When fees are above 0, there will be certain amount of tokens that will be deducted from every transaction that users make. Deducted amount will be as much as the fees % from total amount that user had bought, sold and/or transferred.

```
function setFee(uint256 redisFeeOnBuy, uint256 redisFeeOnSell,
uint256 taxFeeOnBuy, uint256 taxFeeOnSell) public onlyDev {
    require(redisFeeOnBuy < 4, "Redis cannot be more than 3.");
    require(redisFeeOnSell < 4, "Redis cannot be more than 3.");
    require(taxFeeOnBuy < 4, "Tax cannot be more than 3.");
    require(taxFeeOnSell < 4, "Tax cannot be more than 3.");
    _redisFeeOnBuy = redisFeeOnBuy;
    _redisFeeOnSell = redisFeeOnSell;
    _taxFeeOnBuy = taxFeeOnBuy;
    _taxFeeOnSell = taxFeeOnSell;
}
```



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

Grok Pepe

GOOD PRACTICES FOUND

- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot stop or pause the contract
- ✓ The owner cannot set a transaction limit
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



There is no information about the initial tokens distribution based on the project's whitepaper and/or website.

TOKENOMICS



THE TEAM

⚠ The team is
anonymous

KYC INFORMATION

No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





WEBSITE

Website URL

<https://www.grokpepe.com/>

Domain Registry

<https://www.godaddy.com>

Domain Expiration

2024-11-08

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Single page design with appropriate color scheme and graphics.

Content

The information helps new investors understand what the product does right away. No grammar mistakes found.

Whitepaper

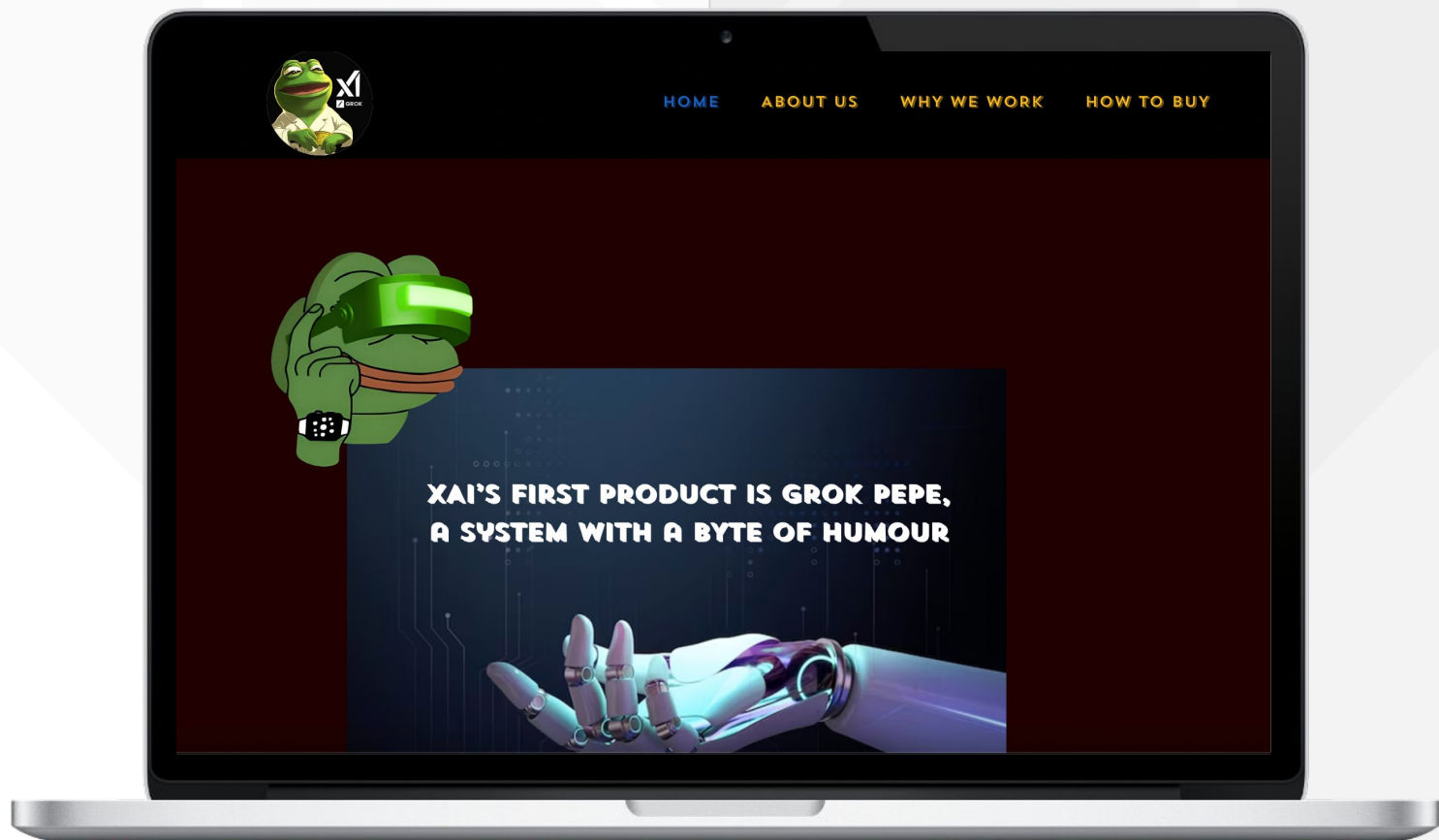
No

Roadmap

Yes, goal set without time frames.

Mobile-friendly?

Yes



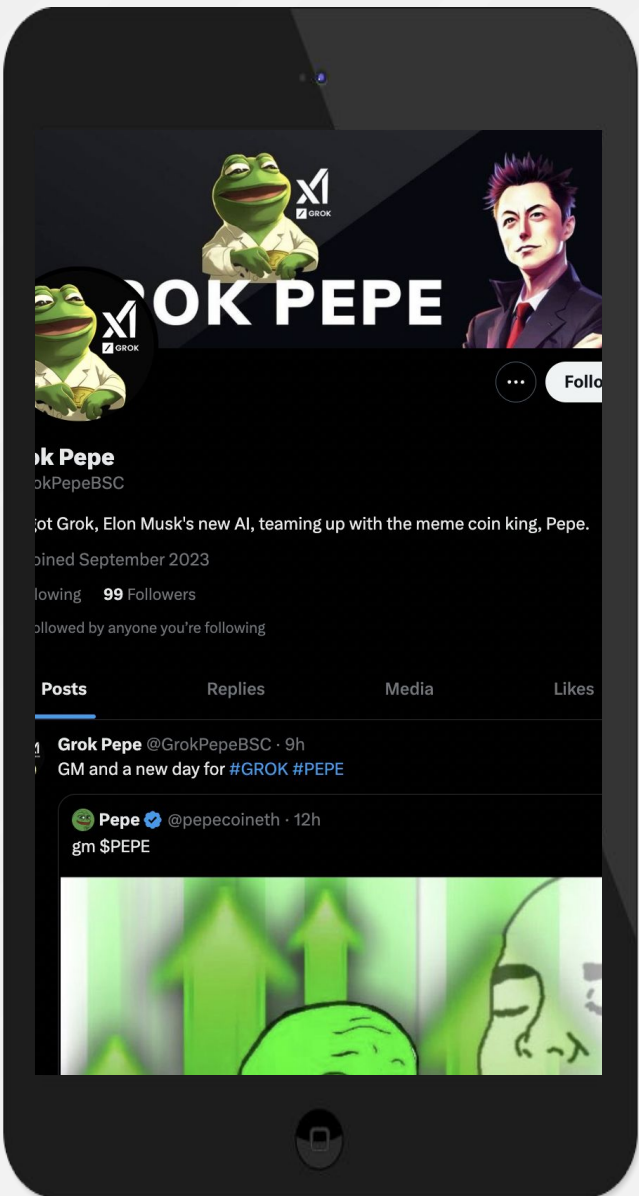
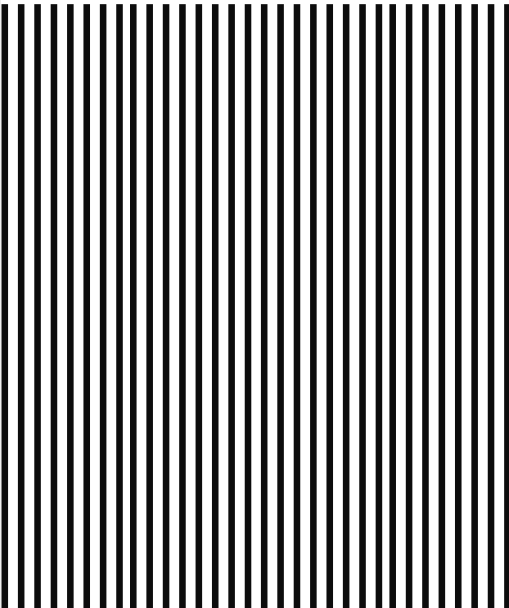
grokpepe.com



SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS
Project’s social pages
are new



Twitter
@GrokPepeBSC

- 99 Followers
- 2 total posts
- New account



Discord

- Not available



Telegram

- Not available



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.